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UNITED STATES DEPARTMENT OF AGRICULTURE
AGRICULTURAL RESEARCH SERVICE

LIST OF PUBLICATIONS AND PATENTS OILSEEDS AND RELATED SUBJECTS*/

of the
Northern Utilization Research Branch
Peoria, Illinois

1954

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PUBLICATIONS

/When requesting reprints, please order by number/

1. Aqueous Vapor Pressure of Soybean Meal and Its Fractions. P. A. Belter, Catherine R. Lancaster, and A. K. Smith. J. Am. Oil Chemists' Soc. 31, 388-392 (1954).

2. Baking Behavior and Oxidation Requirements of Soy Flour. I. Commercial Full-Fat Soy Flours. C. W. Ofelt, A. K. Smith, and R. E. Derges. Cereal Chem. 31, 15-22 (1954).

3. Baking Behavior and Oxidation Requirements of Soy Flour. II. Commercial Defatted Soy Flours. C. W. Ofelt, A. K. Smith, and J. M. Mills. Cereal Chem. 31, 23-28 (1954).

4. Countercurrent Fractionation of Lipids. H. J. Dutton. Pages 292-325 of book entitled "Progress in the Chemistry of Fats and Other Lipids," Vol. 2, edited by R. T. Holman, W. O. Lundberg, and T. Malkin, Pergamon Press Ltd., London, England, March 1954.

5. Effect of Agitation on Selectivity in the Hydrogenation of Soybean Oil. R. E. Beal and E. B. Lancaster. J. Am. Oil Chemists' Soc. 31, 619-625 (1954).

6. Flash Desolventizing. P. A. Belter, O. L. Brekke, G. F. Walther, and A. K. Smith. J. Am. Oil Chemists' Soc. 31, 401-403 (1954).

7. Isolation and Utilization of Vegetable Proteins. A. K. Smith. Economic Botany 8, No. 4, 291-315 (1954).

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*/Previous lists of Northern Utilization Research Branch's publications and patents on oilseeds and related subjects were issued as AIC-184 Supplements 1-6 and AIC-228 Supplements 1-6.

8. Lactam of N-(β-Aminoethyl)-chelidamic Acid--A Pyridopiperazine Ring. A. W. Schwab. J. Am. Chem. Soc. 76, 1189-90 (1954).

9. Metal Inactivation in Edible Oils by Carboxymethylmercapto Succinic Acid. C. D. Evans, A. W. Schwab, and Patricia M. Cooney. J. Am. Oil Chemists' Soc. 31, 9-12 (1954).

10. Polymerization, Copolymerization, and Isomerization. J. C. Cowan. J. Am. Oil Chemists' Soc. 31, 529-535 (1954).

11. Research Developments at the Northern Utilization Research Branch. J. C. Cowan. Soybean Digest 14, No. 12, 14-16 (1954).

12. Research Related to Protective Coatings at the Utilization Research Branches. J. C. Cowan. Offic. Dig. Federation Paint and Varnish Production Clubs 26, No. 359, 1211-1218 (1954); Am. Paint J. 39 No. 13, 100 (1954).

13. Separations of Soy Bean Inositide Fractions of Low Partition Coefficient. C. R. Scholfield and H. J. Dutton. J. Biol. Chem. 208, No. 1, 461-469 (1954).

14. Sources of Color in Soybean "Lecithin." C. R. Scholfield and H. J. Dutton. J. Am. Oil Chemists' Soc. 31, 258-261 (1954).

15. Soybeans. J. C. Cowan. Pages 689-701 of "Encyclopedia of Chemical Technology," Vol. 12. Interscience Encyclopedia, Inc., New York, N. Y., 1954.

16. Soybean "Lecithin" and Its Fractions as Metal-Inactivating Agents. C. D. Evans, Patricia M. Cooney, C. R. Scholfield, and H. J. Dutton. J. Am. Oil Chemists' Soc. 31, 295-297 (1954).

17. Synthetic Lubricants from Polyhydroxystearic Acids. L. E. Gast, C. B. Croston, Wilma J. Schneider, and H. M. Teeter. Ind. Eng. Chem. 46, 2205-08 (1954).

18. Synthesis of Thiodisuccinic Acid. A. W. Schwab. J. Am. Chem. Soc. 76, 623 (1954).

PATENTS

[These patents are assigned to the Secretary of Agriculture. Copies of patents may be purchased from the U. S. Patent Office, Washington, D. C.]

Protein Adhesives. A. C. Beckel and P. A. Belter. U. S. Patent 2,668,766. February 9, 1954.

Polymerization Process Using Hydrogen Fluoride. C. B. Croston, H. M. Teeter, and J. C. Cowan. U. S. Patent 2,670,361. February 23, 1954.

Deodorization Process. R. E. Beal and E. B. Lancaster. U. S. Patent 2,674,609. April 6, 1954.